**EC2 AWS**

* Go to EC2 service
* Click on instances in drop down menu
* Launch an instance
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* **General practices when creating an EC2 instance:**
* Gathering requirements :
* OS, size: Ram, CPU, Network etc.
* Storage size: 10 gigs
* Project
* Services : SSH , Http, MySql etc.
* Environment (Dev, QA, staging, Prod).
* Login user/ owner

**AWS CLI**

* Install aws cli
* Create IAM user
* You make secret and access keys for that user
* Aws configure
* Ls ~/.aws/
* aws sts get-caller-identity
* aws ec2 describe-instances

**EBS**

Elastic Block storage : runs ec2 Os, store data from db, file data

Create a volume, partition, format, and mount it.

Snapshot to recover the data when it’s corrupted. Creating a volume from a snapshot.

**ELB**

Elastic Load Balancer: cluster of web services that needs to be accessed from an access point (load balancer)

Receive traffic and distribute it across multiple targets such as EC2 instances, containers etc.

AWS Load balancers:

classic: Network/application layer in OSI. Ideal for ec2 instances.

Application: web traffic for application layer http and https

and Network Load Balancers: handle millions of requests per second (forth layer)

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From a snapshot you can create a volume

From iam you can create an instance

To create a load balancer: we first create an IAM image from a template and launch the instance

Then we create target groups for load balancers and add the instances to the listeners.

We create a load balancer with security groups.

Finally, we add inbound rules to the security groups of the instance that allow the security groups of the load balancer.